VLAN 10 – HR

Port 1-3 Would include HR computers 1 and 2 and The HR server as all these devices would need to communicate together so they all need to be on the same VLAN.

VLAN 20 – Sales

Ports 4-8 Would be for Sales Computers as again these need to be able to communicate with each other and don't need to see any of the other departments.

VLAN 30 - Security

Ports 9-11 For the security computers isolation.

VLAN 35 – Security Cameras

Ports 12-15 for security cameras. We would configure these on their own isolated network for security and only allow communication with VLAN 30 - Security and Deny access to all others.

VLAN 40 – VOIP

Ports 16-21 Will be used for all of the VOIP phones in the building. This would allow for inter-departmental communications over the phone and allow all the phones to talk to each other while keeping them isolated from the computers and servers so they cant be used as a entry point to any of the more sensitive data areas.

VLAN 50 – Guest WAP

Port 22 would be for the Guest WAP this would need to be isolated from all the other networks as you don't want anyone to be able to access the rest of the networks.

Port 23 Would go to Router and be a trunk port for all the VLANS. For internet Access.

Disable Unused Port 24 for security.